

Title (en)

ASSEMBLY PROCESS INCLUDING SEVERING PART OF INTEGRAL COLLAPSIBLE PUMP CHAMBER

Title (de)

MONTAGEVERFAHREN MIT ABTRENNBAREM TEIL EINER INTEGRAL ZUSAMMENKLAPPBAREN PUMPENKAMMER

Title (fr)

PROCEDE DE MONTAGE COMPRENANT LA SEPARATION DES PIECES D'UNE CHAMBRE DE POMPAGE COMPRESSIBLE MONOBLOC

Publication

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Application

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Abstract (en)

[origin: WO9611065A1] A collapsible pump chamber (60) is provided which includes several functional elements of a pump device (20). For example, the collapsible pump chamber (60) may be a bellows (60) which includes a functional element of an outlet valve (80), a functional element of a biasing feature, and a functional element of a spin chamber. Consequently, a functional element of all of the downstream functions are incorporated into the bellows (60). This can significantly reduce costs, due to reduce tooling, and assembly, for example. Since it can be desirable to separate these functions (e.g., to achieve more consistent spray quality), a process is described for severing functions from the multiple function collapsible pump chamber (60) during the assembly of the pump device (20). Dunnage means is also described for reducing the collapsed volume within the collapsible pump chamber.

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